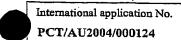
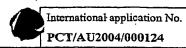
INTERMATIONAL SEARCH REPORT



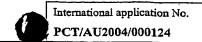
			1 C1/AC2004	700012-1				
Α.	CLASSIFICATION OF SUBJECT MAT	TER	ŧ					
Int. Cl. 7:	F01B 5/00, 13/04; F02B 75/26							
According to	International Patent Classification (IPC)	or to bo	th national classification and IPC					
В.	FIELDS SEARCHED							
	mentation searched (classification system foll nder "Electronic database consulted"	owed by	classification symbols)					
	searched other than minimum documentation 1B 5/00, 13/-, F02B 75/26	to the e	extent that such documents are included in the fields searc	hed				
	base consulted during the international search 3 5/-, 9/-, 13/-; F02B 57/-, 75/26, 75/3		of data base and, where practicable, search terms used) keywords; gear, pinion and crank					
C.	DOCUMENTS CONSIDERED TO BE REL	EVANT						
Category*	Citation of document, with indication,	where a	ppropriate, of the relevant passages	Relevant to claim No.				
	AU 200020827B2 (728019) (HUA							
X Y	Figures 1,2 and accompanying descriptions 1,2 and accompanying descriptions.			1-10, 16,17 11-15, 18				
ı	rightes 1,2 and accompanying desi	riptioi		11-15, 16				
	DE 3023363A1 (SCHULTZ) 7 Jan	uary 1	982					
Y								
x	US 5967102A (HUANG) 19 Octob Figures 1-5, 9, 10 and accompanying							
		Ū	•	1-10, 16, 17				
	EP 0964136A1 (HUANG) 15 Dece	ember	1999					
Х								
₩ .			ion of Box C X See patent family and	nev .				
	Further documents are listed in the co	ntinuat	non of Box C X See patent failing and	IÇA				
"A" docume	categories of cited documents: ent defining the general state of the art which is sidered to be of particular relevance	16L14	later document published after the international filing date or p conflict with the application but cited to understand the princi underlying the invention					
	application or patent but published on or after the tional filing date	"X"	document of particular relevance; the claimed invention cannot or cannot be considered to involve an inventive step when the					
"L" docume	ent which may throw doubts on priority claim(s)	"Y"	alone document of particular relevance; the claimed invention cannot	ot be considered to				
or which	th is cited to establish the publication date of citation or other special reason (as specified)		involve an inventive step when the document is combined wit such documents, such combination being obvious to a person	h one or more other				
"O" document referring to an oral disclosure, use, exhibition			document member of the same patent family					
"P" docume	r means ent published prior to the international filing date or than the priority date claimed							
Date of the act	tual completion of the international search		Date of mailing of the international search report	1 3 APR 200				
2 April 2004				I. J. Al R. 200				
,	iling address of the ISA/AU		Authorized officer					
AUSTRALIAN PATENT OFFICE PO BOX 200, WODEN ACT 2606, AUSTRALIA E-mail address: pct@ipaustralia.gov.au			ASANKA PERERA					
Facsimile No.	(02) 6285 3929		Telephone No: (02) 6283 2373					

C (Continuati		D-1
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
	US 2990820A (SAIJO) 4 July 1961	
x	Figure 1 and accompanying description	1-10, 16, 17
	US 4741300A (BENSON) 3 May 1988	•
X	Figures 1, 7 and accompanying description	1-10, 16, 17
	CH 376317A (RYSER) 15 May 1964	
X	The whole document	1-10, 16, 1
		• • • • • • • • • • • • • • • • • • •
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Box No. II	Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)				
This internate reasons:	tional search report has not been established in respect of certain claims under Article 17(2)(a) for the following				
·	Claims Nos.:				
	because they relate to subject matter not required to be searched by this Authority, namely:				
2.	Claims Nos.:				
2.	because they relate to parts of the international application that do not comply with the prescribed requirements to such				
	an extent that no meaningful international search can be carried out, specifically:				
	·				
3.	Claims Nos.:				
ـــا	because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a)				
Box No. II	Observations where unity of invention is lacking (Continuation of item 3 of first sheet)				
This Intern	ational Searching Authority found multiple inventions in this international application, as follows:				
See Su	pplemental Box				
1.	As all required additional search fees were timely paid by the applicant, this international search report covers all				
	searchable claims.				
2. X	As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.				
3.	As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:				
	$m{\cdot}$				
4.	No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:				
Remark o	n Protest The additional search fees were accompanied by the applicant's protest.				
	No protest accompanied the payment of additional search fees.				
·					



Supplemental Box

(To be used when the space in any of Boxes I to VIII is not sufficient)

Continuation of Box No: III

The international application does not comply with the requirements of unity of invention because it does not relate to one invention or to a group of inventions so linked as to form a single general inventive concept. In coming to this conclusion the International Searching Authority has found that there are different inventions as follows:

- 1. Claims 1-10, 16 and 17 are directed to an engine. It is considered that a cylinder block provided with reciprocating pistons and rotating relative to a fixed portion comprises a first "special technical feature".
- 2. Claims 11-15 and 18 are directed to a method of effecting a cycle of an engine. It is considered that a working fluid in a cylinder bore expands and rotating the cylinder block by means of a pinion gear connected to a crank shaft and a ring gear connected to a fixed portion comprises a second "special technical feature".

These groups are not so linked as to form a single general inventive concept, that is, they do not have any common inventive features, which define a contribution over the prior art. The common concept linking together these groups of claims is a rotating cylinder block. However this concept is not novel in the light of AU 200020827B2. Therefore these claims lack unity a posteriori.

INTERNATIONAL SEARCH REPORT

ation on patent family members

International application No. PCT/AU2004/000124

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Pater	nt Document Cited in Search Report			Par	ent Family Memb	er		
AU	2082700	AU	728019					
DE	3023363	NONE						
US	5967102	NONE			•		•	
EP	0964136	NONE						
US	2990820	NONE						
US	4741300	NONE						-
СН	376317	NONE						
							END OF A	NNEX